

**75
YEARS**

of continuous activity

**APRIL
1992**

HAMATEUR CHATTER

CLUB CALL - W9RH

Publication of the Milwaukee Radio Amateurs' Club, Inc.

The World's Oldest Continuously Active Amateur Radio Club

President - Ed Wille, W9PWG 461-5961
1st VP - J. Travis Baird, W9VQD 352-9642
2nd VP - Fred Linn, W9NZF 377-3280
Sec. - Ed Seruga, KE9JJ 545-6299
Treas. - Dean Klefer, KB9DNE 962-0280
Board Chmn. - Ted Stiller, WA9RDI 871-7486

Directors: Paul Boese, KB9FBM 353-1681
Jack Krause, W9JK 774-6999
Joe Rayome, KE9LL 463-7668
Marv Rutishauser, WB9PKL 782-3633
Orv Stewart, KA9ONQ 527-2663
Roger Zaun, W9UVV 242-4931



FROM THE PRESIDENT'S DESK:

Our March 26th meeting was a good one, but we wished that more people would have attended. We would like to thank Les Peterson, W9YCV, for his Q&A report.

Four Persons showed up for our Saturday (3-28) Breakfast Club. we are happy that the group is growing for this 8 AM get-together at Maxim's Restaurant (92nd St. near Timmerman Field). It lasts about an hour. If you would like more information, simply call either Ted Stiller or myself.

A new club roster will be passed out after our election this year. If you are not up-to-date with your dues, your name will not be on it. Sorry about that.

WE NEED PEOPLE!!!!

A: A sergeant is needed for our Health Watch column in the Hamateur Chatter. ANY VOLUNTEERS??

B: The W9RH Friday net on 28.4 MHz has enjoyed better check-ins during the past two weeks. HOW ABOUT YOU??

C: I will need help in April with

two 'show and tell' demos. We have requests from two Boy Scout Troops. I will also be at the April 20th meeting of the local Society of Broadcast Engineers Chapter with the TS440 giving a talk on Amateur Radio to the members.

D: Remember that nominations for the May election can be made from the floor at our April 30th meeting. Again, it is your club. HOW ABOUT RUNNING FOR OFFICE THIS YEAR?? We need your input.

Let's hear from you on 28.4 MHz or see you on Saturday morning over coffee. If not, come to the April 30th Meeting. Roger Zaun, W9UVV, has the program all line up. There will also be a firsthand report on the Dayton Hamvention from Travis Baird, W9VQD, and yours truly. 73, Ed Wille, W9PWG

MRAC-VEC EXAMINATION DATES

On the 3rd Tuesday of each

month, exams are given from 6:30-9:30 PM in the church hall at 117th & Cleveland. The next dates are 3/17 and 4/21. There are no Saturday exams at this time.

Please arrive as close to the beginning of the testing session as possible so that all exams are completed by the end of the session. Bring along your original license and two good quality photocopies, two additional forms of I D, a pen and \$5.00 for the exam fee (Novice exams exempt). To register in advance, send a post card on which you have printed the grade of license for which you are applying, your name, address and telephone number to: MRAC-VEC % Jack Krause, 1737 N. 116th St. Wauwatosa, WI 53226, 744-6999 or % Ed Seruga, 3840 S. 43rd St. Milwaukee, WI 53220, 545-6299 See the map on p.5 for directions to the testing sites.



SUBMISSION DEADLINE

Articles and information for the newsletter should be received by KE9LL by the 1st of the month. If received after that date, the item cannot be guaranteed to be in that month's edition. The targeted mailing date is the 15th of the month. Events which occur between the 1st and the 20th of the month should be submitted for the previous month's newsletter. Please send submissions to Hamateur Chatter, 5618 N. 41st St., Milwaukee, WI 53209. Your cooperation in this is appreciated.

ARRL BULLETINS

ARLB030 ISM DEADLINE EXTENDED

The FCC has extended to May 13, 1992, the deadline for filing comments on a notice of inquiry regarding RFI produced by industrial, Scientific and Medical equipment. The FCC said the extension was necessary because of the many questions raised in the notice, because of the need to have comprehensive input from the manufacturers of ISM equipment, and in response to a request for more time filed by the National Electrical Manufacturers Association. The deadline for filing reply comments also was extended, until June 15. See January QST, page 76, for details.

ARLB029 & ARLB028 WRC FINAL

The 1992 ITU World Administrative Radio Conference (WARC-92) finished its work more or less on schedule, with delegates scrambling in the closing hours to find compromise solutions that each administration could live with.

The major decisions of WARC-92 are:

1. HF Broadcasting expansion. An additional 790 KHz of spectrum, including 200 KHz below 10 MHz, was allocated to HF Broadcasting (see Vol. 11, No. 4). The conference also adopted a recommendation that a future conference should consider the possibility of aligning the allocations to the Amateur Service around 7 MHz, with due regard to the requirements of other services. This would permit the issue to be addressed on its own merits, without the precondition of Broadcasting expansion.
2. Mobile Satellites, Including Low-Earth-Orbit Satellites (LEOS). Coordination procedures were adopted for

non-geostationary satellite networks, and new allocations were established for such networks. So-called little LEOS (low-cost, low-rate data satellites operating below 1 GHz) gained a primary uplink allocation at 148-150.5 MHz with downlinks at 137 and 400.15 MHz, and secondary allocations at 312-315 and 387-390 MHz. So-called big LEOS (such as Motorola's proposed iridium system of 77 satellites which are intended to provide voice-grade service to hand-held equipment) gained access to the spectrum they were seeking near 1.6 and 2.5 GHz, but subject to limitations and procedures designed to protect global navigation systems with which they will share spectrum. Other mobile-satellite allocations near 1.6 and 2.0 GHz also were expanded.

A US proposal for a mobile-satellite uplink band at 2390-2430 MHz was not adopted.

3. Aeronautical Public Correspondence. Two separate systems were sanctioned, one using bands near 1.67 and 1.8 GHz and a North American system which is already in operation using bands near 849 and 894 MHz. If the two separate systems are implemented, aircraft flying between North America and other continents will have to carry equipment for both in order for passengers to have the service.

4. Satellite Sound Broadcasting (and a complementary Terrestrial Service). A worldwide band was established at 1452-1492 MHz for digital sound broadcasting, but a number of countries, including the US, do not plan to implement the service in this band and are looking at 2310-2360 or 2535-2655 MHz instead. (Amateurs are already excluded from 2310-2390 MHz in order to protect aeronautical flight test telemetry from interference.)

5. High-definition Television. No worldwide band could be found for this service. In Regions 1 and 3, 21.4-22 GHz will be made available; in Region 2, the band will be 17.3-17.8 GHz.

6. Future Public Land Mobile Telecommunications Systems (FPLMTS). Bands near 2 GHz were identified for future implementation of FPLMTS but were not actually allocated for this purpose, since an allocation was regarded as premature for a system which is still largely undefined.

7. Other Mobile Services. In Region 1, the mobile service was upgraded from secondary to primary in a broad range from 1.7 to 2.45 GHz, including 2.3-2.45 GHz. (Mobile is already primary in the latter band in Regions 2 and 3.) Depending upon how administrations in Region 1 decide to implement new mobile services in this range, there could be implications for the continued use of the band by their amateurs.

More than 1400 delegates representing 127 countries attended WARC-92. The International

Amateur Radio Union, as the recognized representative body for the amateur and amateur-satellite services, was among 31 international and regional organizations invited to participate as observers.

The final acts of WARC-92 enter into force on 12 October, 1993. However, a number of provisions adopted by the conference have much later effective dates, e.g., 1 April 2007 for the new HF Broadcasting allocations.

ARLB027 PART 97.113 UPDATE

The United States Supreme Court has refused to hear an appeal of a decision of a United States Court of Appeals which held unconstitutional an around-the-clock ban on indecent broadcasts. The High Court let stand a May 17, 1991 decision of the U.S. Court of Appeals for the District of Columbia Circuit which held that broadcast material which is indecent but not obscene is protected by the First Amendment, and any restrictions on such broadcasts must be narrowly drawn. The Appeals Court instructed the FCC to determine the times at which indecent material may be broadcast. In doing so, the FCC must determine the times when there is a reasonable risk that children, who may properly be protected by the government from such broadcasts, are in the broadcast audience.

The decision of a three-judge Appeals Court panel unanimously concluded that a 24-hour-per-day FCC ban on indecent broadcasts, even though mandated by Congress, was unconstitutional. The Court of Appeals had earlier determined that the FCC must carve out a safe harbor for such broadcasts, but recognized that constitutionally protected speech can have a strong negative impact on children. Thus, limitations on indecent broadcasts can be imposed, if carefully and narrowly crafted.

The FCC was referred to that holding for further action. Obscene broadcasts are not protected and may be prohibited entirely.

The implications of the Court rulings for Amateur Radio are unclear at present, though the FCC has previously stated that its policies regarding Broadcast indecency are equally applicable to Amateur Radio, noting similarities between the two services.

FCC Chairman Alfred E. Sikes has recently stated that it is the FCC's intention to enforce its rules concerning indecent broadcasts to the extent permitted by law.

ARRL President George S. Wilson III, W4OYL, was scheduled to be in Washington on March 13 to discuss the matter with FCC Commissioners and Bureau Chiefs, and to

urge increased enforcement efforts to resolve what many amateurs believe is a serious problem.

ARLX010 FAR SCHOLARSHIPS

The Foundation for Amateur Radio offers 45 substantial college scholarships for licensed radio amateurs for the 1992-93 Academic year. Licensed radio amateurs planning to pursue a full time course of studies beyond high school and who are enrolled in or have been accepted for enrollment at an accredited college, university or technical school are eligible to apply. Clubs are encouraged to announce these scholarship opportunities at their meetings, on their nets, during training classes and in their club newsletters. For more information write to FAR Scholarships, 6903 Rhode Island Avenue, College Park, MD 20740, no later than May 31, 1992.

ARLB024 ARRL NOVICE PETITION

The ARRL has filed with the FCC a petition for rule making to require that all novice class amateur radio license examinations be administered under the current volunteer examiner program. The petition suggests that such a requirement would provide smoother and quicker processing of new novice license and would help to maintain the integrity of the examination process for the entire range of amateur examinations from novice through amateur extra class. The novice examination, presently administered by two general class or higher licensees who are not necessarily certified volunteers, was not included in the original volunteer examiner program begun in 1984 to avoid overburdening the new program and because a volunteer examiner system for novice examinations already was in place.

ARLB025 W5YI NOVICE PETITION

On February 26, the W5YI Volunteer Examiner Coordinator filed with the FCC a petition for rule making to require that all novice class license examinations be administered under the volunteer examiner program. This filing was made concurrently and in coordination with a similar ARRL filing. The novice class is currently the only amateur examination that may be administered by amateurs who are not VE-certified. The ARRL and W5YI VECs together administer nearly 80 percent of all amateur examinations.

ARLS003 N5YYV MINI-BIO

NASA astronaut Kathy Sullivan is now N5YYV. Sullivan, a geologist and STS-45 mission specialist, plans to join N5WQC, N5WQW and ON1AFD operating from the space shuttle. She will be the second FCC licensed YL to operate from space.

This is Dr. Sullivan's third trip into space, having served as mission specialist on STS-41 in 1984 and on STS-31 in 1990. (The numbers are as

received in the bulletin. editor) She also was the first US woman to perform an extravehicular activity (EVA) in space to demonstrate the feasibility of actual satellite refueling. Kathy is a private pilot rated in powered and glider aircraft.

The STS-45 launch is scheduled for March 23rd.

ARRL006 STS-45/FCC WAIVER

As of today, Friday, March 20, 1992, the FCC has formally granted astronauts Kathryn Sullivan, N5YYV, and Dirk Frimout, ON1AFD, scheduled to fly aboard shuttle mission STS-45, permission to operate amateur radio from space.

The ARRL sought the rules waiver to allow Sullivan, who holds a technician-class license, to participate in the March 23-30 SAREX mission. FCC rules require Amateur stations in space to be controlled by at least one extra class operator, and there was not enough time to upgrade before the launch.

Frimout, who will also operate the SAREX station, was granted a US reciprocal license on February 13th, and holds a VHF-only license from his home country of Belgium.

The waivers follow those granted on January 31, 1992, which allow Atlantis astronauts David Leestma, N5WQC, and Brian Duffy, N5WQW, also technician-class licensees, to operate in space.

Although the SAREX equipment is a secondary activity, the four ham astronauts say they'll try to be on the air as much as possible.

ARRL005 MIR OP NEWS

German astronaut Klaus-Dietrich Flade is expected to operate from the Russian MIR space station beginning March 19th or soon after. He will sign DP1MIR and operate FM simplex on 145.550, joining Russian cosmonauts U8MIR and U9MIR, who also will be active and are replacing cosmonauts U4MIR and U5MIR. The three were launched from the space center in Baikonur, Kazakhstan at 1055 UTC March 17th. DP1MIR, U4MIR, and U5MIR will return to Earth March 24th. Non-human activity on 145.550 will include voice recorded messages transmitted from the space station. QSL DP1MIR contacts via DARC, PO Box 1155, 3507 Baunatal, Germany.

ARRL014 MT ATHOS CRITERIA

The first requirement for operating from the Athos region of Greece (Mount Athos) is an amateur radio license issued by, or recognized under treaty by, the government of Greece.

All visitors to Mount Athos must have an official written permission (called a diamonitirion) to enter the region. In addition to this, DXpeditioners must have written permission to transmit from Athos. Entry and Amateur Radio operation permission must both come from the Holy Community of Mount Athos. Authority for administration of the Community lies in the hands of the Superiors of the

Common Congregation of the Twenty Holy Monasteries of Mount Athos.

DXCC accreditation for DXpeditions to Mount Athos will be given only to those who have met these requirements.

CLUB TABLE AT OZAUKEE SWAPFEST

The Milwaukee Radio Amateurs' Club will have a couple of tables at the Ozaukee Radio Club's Swapfest to be held from 8 AM to 1 PM on May 2nd at the Circle B Recreation Center in Cedarburg. The Circle B is at the intersection of Highway 60 and County I in Ozaukee County. The tables will serve the dual purpose of waving the Club's flag and providing a spot where members can bring a couple of items to sell. If you are going to be at the Circle B, stop by the table and talk with the folks. Volunteer to sit behind the table for a half hour or so. If selling something, just mark the item with your call and suggested price. You don't have to stay there the whole time, just let those at the table know if you are flexible on price, by how much and so on. If we all spend a little time behind the table, no one gets stuck back there for the entire time unless that's where they want to be.

WANT AD

Dean Kiefer, KB9DNE, is looking for a set of Ryder manuals, Volume s 1 - 14. If anyone can help Dean in locating these items, please give him a call at 962-0280. Information on condition, price and any other details will be appreciated.



MILWAUKEE AREA NET INFORMATION

TIME	DAY	MHz	SUBJECT
9:00 PM	Monday	146.67	Milwaukee-Waukesha ARES Net
9:00 PM	Tuesday	145.13	MAARS Roundtable
8:00 PM	Wednesday	28.365	Milwaukee Chapter of 10-10 International
9:00 PM	Thursday	146.91	Computer Net
9:00 PM	Friday	28.400	W9RH on the Air - MRAC Club Station Activity
10:00 AM	Sunday	443.800	FM38 Link to 146.88 Baraboo Swap Net
8:00 PM	Sunday	28.365	Milwaukee Chapter of 10-10 International
8:30 PM	Sunday	146.91	Information Net
9:00 PM	Sunday	146.91	Swap Net

The 2 meter frequencies are -600 KHz offset FM repeaters. FM38 is +5 Mhz offset, tone 114.8. The 10 meter frequencies are upper sideband (USB). If there are nets you would like added to this list, contact Joe Rayome, KE9LL.



NEW MEMBERS

Please welcome the following to MRAC membership:
John Merkl WB9PSE

EDITOR'S COMMENTS by KE9LL

Thanks to all who contributed to this edition of the Hamateur Chatter. The more submission I get, the easier it is to put out a quality publication that I hope is worth reading. It does take quite a bit of time to put one of these things together. Between the typing and setting up the pages, easily 20 hours a month go into getting the newsletter ready for the printer. For that reason, the kind words I've received from some of the members concerning the Chatter are very much appreciated.

Spring is upon us with a vengeance and with it the chance of severe weather. Whenever severe weather threatens, tune in to the ARES repeater to get the latest information. A weather net is formed whenever Sullivan Weather informs ARES that severe wx is imminent for the general Milwaukee area. (See listing above for the frequency.)

MEETING NOTICE

The next meeting of the Milwaukee Radio Amateurs' Club will be Thursday, April 30th, at the Wauwatosa Savings and Loan, 76th and State. The doors will open around 7:00 PM and the meeting will begin at 7:30. See the Program Notice elsewhere in this issue.

MEETING PROGRAM

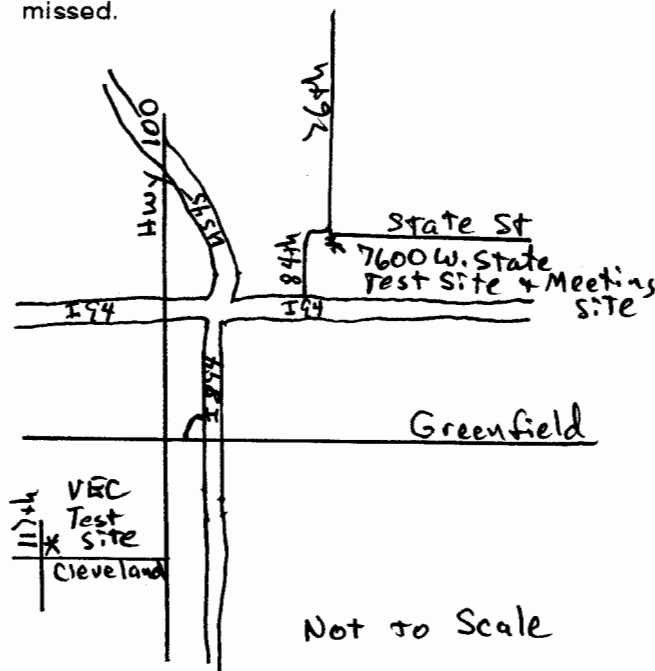
The program for the April 30th meeting of MRAC is entitled "An Introduction to Radio Controlled Model Aircraft," and will be presented by Mr. Gordy Stahl, Milwaukee Simitar Squadron Commander. There will be a short (25 min.)

video presentation on the Oshkosh EAA Invitational RC Fly-In; a display including a representative cross-section of model types, the radio equipment used, and the engines and electric motors with their controllers. Gordy will talk about the current state of radio technology in the hobby and where it is headed. He will also give a brief description of the tools, materials and adhesives used by today's RC modelers. A Question and Answer period will follow.

Mr. Stahl is a sales/management consultant for a state firm and has "been in modeling all my life, RC for 6 years." He does promotional work for two international RC equipment manufacturers and writes for two of the largest RC magazines. He has over 40 RC models up to 16HP and gliders as large as 14 foot wing span. He is president of the Milwaukee Simitar Squadron and vice-president of the only exclusive electric model club in Wisconsin.

SILENT KEY REPORT

Recently, Rose Amidzich, the XYL of Mel Amidzich, WA9PZU, passed away. We extend our condolences to Mel and the rest of the family. Rose was well known to a number of our older members and will be sadly missed.



QRN AFFECTS AM BAND DXING

Hans Schroeder, AE9G, writes:

When I drive, I like to tune around the AM band, and do some "AM-BC-DXing". I have recently noticed that there is a strong radio-noise source about 100 kHz wide, centered on 700 kHz. Although the noise is strong enough in most areas to make WLW (700 kHz) totally inaudible, WMAQ (670) and WGN (720) are strong enough to override the interference.

The noise is stronger south of Silver Spring Drive. There is a fairly quiet region around Brown Deer Road and Lake Drive. The noise seems to be strongest at ground level. I can receive WLW from my 7th floor QTH.

Has anyone else noticed this? What is the geographical extent of this noise? What is its source?

I don't know whether this interference has affected any ham-oriented activities yet, but it seems to be worth some effort to track this down before it spreads and does so.

If any of our readers have comments or additional information on this phenomenon or similar phenomena, please send them to Hamateur Chatter, 5618 N. 41st St.,

Milwaukee, WI 53209. Particularly interesting data will be presented in future issues. All pertaining to Hans' QRN will be forwarded to him.

ELECTION SLATE

The nominating committee has presented the following slate for the May 1992 election.

President: Ed Wille, W9PWG
1st VP: Travis Baird, W9VQD
2nd VP: Roger Zaun, W9UVV
Secretary: Fred Linn, W9NZF
Treasurer: Dean Kiefer, KB9DNE
Directors: Jack Krause, W9JK
Bill Jones, KF9FA
Tom Fuszard, N9MGZ

The remaining directors - Paul Boese, KB9FBM, Joe Rayome, KE9LL and Orv Stewart, KA9ONQ - still have a year remaining on their terms. All of the offices to be voted on in May consist of two year terms. It's your club, this is your chance to have a say in how it is run.

FIELD DAY PLANNING IS OFF AND RUNNING

by Tom Fuszard, N9MGZ -
Field Day Chairman

Preparations for this year's Field Day, scheduled for June 27th and 28th, have begun. Ted Stiller, WA9RDI, and I looked at several locations recently, including the Old Nike site on Lannon Road. I hope to know by mid-April whether that site is available.

Other possibilities suggested include: Glacier Park in Washington County, Virmond Park in Ozaukee County, a former Nike site in Waukesha County, and a



spot near the Oak Creek power plant. All sites will be investigated soon. Any additional site suggestions from the membership are, of course, welcome.

In order for Field Day to be a success, the Club will also need YOUR support with materials and time. MRAC owns or has access to some equipment, but I am looking to add at least two stations (rigs and antennae), a couple of large tents or screened enclosures, towers or masts and rotators for beam antennae, and other related items (tables, chairs, lights, etc.). In addition, it would be nice to have a pickup truck or a van available for use

during the entire weekend.

Of course, we'll need hardy souls to assist on that glorious weekend. As indicated, I hope to have at least three stations operating, one of which will be designated as a Novice station. I am developing a timetable for the weekend's activities, and ask that all interested parties contact me and indicate during which time periods they will be willing to work.

(Naturally, you are welcome to stay the whole weekend. However, even one or two hours will be appreciated). Keep in mind that we will need assistance not only with operating and logging, but also with set up on Saturday morning, and with take down and cleanup on Sunday afternoon. Heck, even if all you want to do is play "galloping gourmet," we'll accept your application.

I realize that, for some, either the location or the dates of Field Day will make their participation impossible. However, I am also certain that there are many club members who, in the true spirit of ham radio, are ready and willing to lend a hand in order to make MRAC's participation in this important and worthwhile event a success. I look forward to working with

each of you in the weeks ahead. If you have any questions or comments, please feel free to contact me evenings and weekends at 278-0587.

73, Tom, N9GMZ

W9RH NET NOTES

George Philbert, KA9MXM, reports the following statistics on stations checking into the Club net on Friday evenings at 9 PM.

1991 Average - 5+ : entire year

January - 8

March - 9

April - 8

June - 8

1992 Average - 6+ : Year to Date

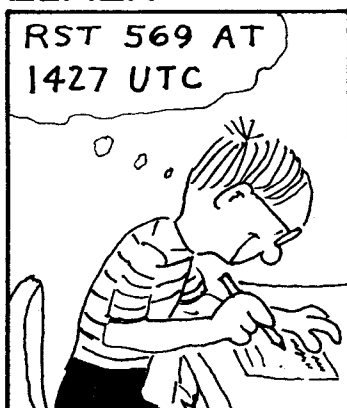
February - 8

March 20 - 9

March 27 - 9

April 3 - 11 : this is a new record

ELMER



by Rich Regent, K9GDF

AN IRC AND
SASE. OH
YES, AND...

